

भारतीय गैर न्यायिक INDIA NON JUDICIAL

एक हजार रुपये

रु.1000

ONE THOUSAND RUPEES

Rs.1000

बिहार BIHAR



17 FEB 2023

Supplementary Agreement No...

This Agreement made on

Executive Engineer, Rural Works Department, Works Division, Motihari, of the

one part M/S Nikumbh Bhardwaj Constuction. At- Chandmari, Near Bhanu

Lodge, Motihari, Dist- East Champaran. the hereinafter called the Contractor

the other part.

Whereas the Employer is desirous that the Contractor execute Output and performance based

Rural Road contract for the maintenance of Roads MR-N/21-22 Motihari/04 Under

Scheme MR-3054.(herein after called "The Works") and the Employer has accepted the

Bid by the Contractor for the execution of such Works and the remedying of any defects

therein, at a contract price of Rs. 2233312.00 (Twenty two lakh thirty three thousand

three hundred twelve only)

Supplementary Agreement

15 MSB/2022-23 to 46 MSB/2022-23

06 March 23

AS 542224

कमलेश्वर प्रसाद

पुत्रांक विवेका

विद्यमान कार्यालय, मोतिहारी

दिनांक 14/2/23

S.No.	Package No.	Road Name	Length [Km]
1	MR-N/21-22 Motihari/04	Motihari Rulahi PWD Road to Sahani tola	3.35
2		Motihari Rulahi PWD Road to Majhar	2.00
3		Dhekaha PMGSY Road to Mahuawa tola tak	0.50
4		L 023 to Bin Toli	1.90

NOW THIS AGREEMENT WITNESSETH and the Parties hereto agree as follows:

1. In this Agreement, words and expression shall have the same meanings as are respectively assigned to them in the General condition hereafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.
2. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all aspects with the provisions of the contract.

M/s Nikumbh Bhardwaj Construction

Partner

Executive Engineer
R.W.D. Division

6/3/23

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Rural Works Department, Works Division, Motihari

Sl. No.	Name of Road	(Block)	Length (K.M.)	Cost of BOQ (In Rs) on 12 %		Total Cost of BOQ on 12 % (In Rs)	Cost of BOQ (In Rs) on 18 %		Total Cost of BOQ on 18 % (In Rs)
				Const.	Maint.		Const.	Maint.	
1	Motihari Rulahi PWD Road to Sahani tola	Motihari	3.35	15163724.00	3520056.00	18683780.00	15963145.00	3706730.00	19669875.00
2	Motihari Rulahi PWD Road to Majhar	Motihari	2.00	6920956.00	2300417.00	9221373.00	7286067.00	2422407.00	9708474.00
	Dhekaha PMGSY Road to Mahuwa tola tak	Motihari	0.50	2528872.00	371770.00	2900642.00	2662146.00	391472.00	3053618.00
	L 023 to Bin Toli	Motihari	1.9	9556821.00	1941346.00	11498167.00	10060997.00	2044309.00	12105307.00
	Total			34170373.00	8133589.00	42303962.00	35972355.00	8564918.00	44537274.00

Revised due to increased in G.S.T.

E.O.O Approved for Construction Cost 'PART-A' Sl. No. 1 To.....For

₹ 35972355.00 = Three Crores Fifty nine

Seventy two thousand three hundred fifty five

And maintenance Cost 'PART-B' of Rs. 8564918.00

₹ Eighty five sixty four

hundred Eighteen only.)

अधीक्षण अभियंता
ग्रामीण कार्य विभाग
कार्य अंचल, मोतिहारी

मोतिहारी

S.E. (R.W.D.)
Works Circle

M/s Nikumbh Bhardwaj Construction

Partner

कार्यपालक अभियंता
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, मोतिहारी।

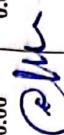
Sl. No.	Item Description	As Per Sanctioned Estimate / BOQ on 12 % GST				As Per Revised Estimate / BOQ on 18 % GST				Difference		% (+/-) Amount	Remarks
		Units	Quantity	Estimated Rate	Total Amount Without Taxes	Quantity	Estimated Rate	Total Amount Without Taxes	Quantity	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13	
	DHEKAHA PMGSY ROAD TO MAHUAWA TOLA												
1	Clearing and Grubbing Road Land (By manual means) including uprooting wild vegetation, grass, bushes, shrubs, saplings and trees of girth upto 300mm, removals of stumps of such trees cut earlier & disposal of unserviceable materials & stacking of serviceable materials to be used or auctioned upto a lead of 1000 m including removal and disposal of top organic soil not exceeding 150mm in thickness as per technical specification clause 201.1 and direction of E/I	Ha	0.06	59726.13	3583.57	0.06	59726.13	3583.57	0.00	0.00	0.00%		
2	Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross-sections, and transporting to the embankment location with a lift upto 1.5 m and lead	Cum	109.69	99.69	10935.00	109.69	99.69	10935.00	0.00	0.00	0.00%		
3	Construction of subgrade and earthen shoulders with approved material obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table 300-2 with lead upto 1000 m as per Technical Specification.	Cum	180.00	243.34	43801.20	180.00	243.34	43801.20	0.00	0.00	0.00%		
4	Construction of Graded sub-base by providing well graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401, GRADING - II	Cum	79.94	3327.56	266005.15	79.94	3327.56	266005.15	0.00	0.00	0.00%	Approved 23.03.2023	
5	WBM GRADING - II - Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with three wheel 80-100 kN static roller in stages to proper grade and camber, applying and brooming, crushable screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 2 as per Technical Specification Clause 405.	Cum	48.57	4608.06	223813.47	48.57	4608.06	223813.47	0.00	0.00	0.00%	Supertending Engineer Rural Works Department Works Circle, Mothani	
6	WBM GRADING - III - Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, crushable screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical Specification Clause 405.	Cum	66.37	3964.14	263099.97	66.37	3964.14	263099.97	0.00	0.00	0.00%		

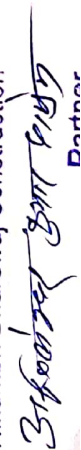
Approved
23.03.2023
Superintending Engineer
Rural Works Department
Works Circle, Mothari

23/2/20
B. K. Sanyal
Partner
M/S. Akumbar Bhattacharya Construction

7	Providing and applying primer coat with Bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.70- 1.0 kg/sqm using mechanical means as per Technical Specification Clause 502.	Sqm	884.93	59.77	52892.27	884.93	59.77	52892.27	0.00	0.00	0.00%
8	MIX SEAL SURFACING - Providing, laying and rolling of close-graded premix surfacing material of 20 mm thickness composed of 13.2 mm to 0.9 mm (Type-B) aggregates using penetration grade bitumen to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel roller.	Sqm	884.93	255.36	225975.72	884.93	255.36	225975.72	0.00	0.00	0.00%
9	Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared granular surface treated with Primer and cleaned with hydrilloc broom as per technical specification clause 503.	Sqm	2778.68	20.35	56546.14	2778.68	20.35	56546.14	0.00	0.00	0.00%
10	Providing and laying semi dense bituminous concrete with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder @	Cum	47.35	13816.53	654212.70	47.35	13816.53	654212.70	0.00	0.00	0.00%
11	KM Stone- Reinforced cement concrete M15 grade kilometre local stone of standard design as per IRC:8 fixing in position including painting and printing, etc as per drawing and technical specification clause 1703.	No.	1.00	2798.65	2798.65	1.00	2798.65	2798.65	0.00	0.00	0.00%
12	200 M Stone- Reinforced cement concrete M15 grade kilometre local stone of standard design as per IRC:8 fixing in position including painting and printing, etc as per drawing and technical specification clause 1703.	No.	2.00	766.61	1533.22	2.00	766.61	1533.22	0.00	0.00	0.00%
13	600 mm equilateral & triangle - Providing and fixing of retro-reflectors cautionary, mandatory and informative sign as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3 fixed over aluminium sheeting of 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 450 mm x 450 mm x 600 mm, 800 mm below ground level as per drawings and Technical Specification Clause 801.	Nos	4.00	4187.57	16750.28	4.00	4187.57	16750.28	0.00	0.00	0.00%
14	600 mm circular - Providing and fixing of retro-reflectors cautionary, mandatory and informative sign as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3 fixed over aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 450 mm x 450 mm x 600 mm, 600 mm below ground level as per drawings and Technical Specification Clause 801.	Nos	4.00	5452.16	21808.64	4.00	5452.16	21808.64	0.00	0.00	0.00%
15	600 mm x 450 mm rectangular - Providing and fixing of retro-reflectors cautionary, mandatory and informative sign as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3 fixed over	Nos	2.00	4694.21	9388.42	2.00	4694.21	9388.42	0.00	0.00	0.00%

Approved


 Superintending Engineer
 Rural Works Department
 Works Circle, Mojhari

M/s Nikumbh Bhardwaj Construction

 Partner

TECHNICAL SPECIFICATION Clause 1101											
17	Planting of trees by the road side (Avenue trees) in 0.60 m dia holes, 1 m deep dug in the ground, mixing the soil with decayed farm yard/sludge manure, planting the saplings, backfilling the trench, watering, fixing the tree guard	Fach	10.00	1039.45	10394.50	10.00	1039.45	10394.50	0.00	0.00	0.00%
18	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes. (BT)	Sqm	100.00	762.51	76251.00	100.00	762.51	76251.00	0.00	0.00	0.00%
19	Providing and fixing of typical MMSV' informative sign board with Logo as per MORD specifications and drawing. Three MS Plates of 1.6 mm thick, top and middle plate duly welded with MS flat iron 25mm x 5m size on back on edges. The lower plate will be welded with MS angle iron frame of 25mm x 25mm x 5mm. The angle iron frame of the lower most plate and flat iron	No.	3.00	14242.57	42727.71	3.00	14242.57	42727.71	0.00	0.00	0.00%
20	Earth work in excavation for foundation of structures upto 3.0 m depth as per drawing and technical specification clause 1104	cum	31.65	314.41	9951.08	31.65	314.41	9951.08	0.00	0.00	0.00%
21	Sand Filling in Foundation Trenches as per drawing and technical specification Clause 1108 - rate as per item No. 11.2 (I) of Chapter 11	cum	2.50	534.54	1336.35	2.50	534.54	1336.35	0.00	0.00	0.00%
22	Brick Flat Soling in foundation Trenches as per drawing and technical specification Clause 1108	sqm	25.08	311.64	7815.93	25.08	311.64	7815.93	0.00	0.00	0.00%
23	Providing PCC Grade M15 for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802,	cum	5.68	6561.88	37271.48	5.68	6561.88	37271.48	0.00	0.00	0.00%
24	Brick Masonry work in cement mortar (1:4) in head wall complete as per drawing and technical specification clause 1109 in cement mortar 1:4	cum	21.28	6180.34	131517.64	21.28	6180.34	131517.64	0.00	0.00	0.00%
25	Providing and laying 1000 mm Dia RCC pipe NP-3 for culverts on first class bedding of PCC M10 (1:3:6) in single row including fixing collar with cement	m	7.50	7454.67	55910.03	7.50	7454.67	55910.03	0.00	0.00	0.00%
26	Plastering with cement mortar (1:4) on brick work in sub-structure as per Technical Specifications	sqm	29.89	198.58	5935.56	29.89	198.58	5935.56	0.00	0.00	0.00%
27	Providing 1.5 mm cement punning including curing carriage of water with all leads and lifts as per building specification and direction of E/I	sqm	10.96	64.98	712.18	10.96	64.98	712.18	0.00	0.00	0.00%
	Total Construction Amount Excluding All Taxes				2233073.43			2233073.43	0.00	0.00	0.00%
	GST @ 12%/18% on Total Construction Cost				267968.81			401953.22	0.00	133984.41	50.00%
	Labour Cess @ 1 % on Total Construction Cost				22330.73			22330.73	0.00	0.00	0.00%
	Add Seigniorage Fee				18973.39			18973.39	0.00	0.00	0.00%
	Total Construction Amount Including All Taxes				2542346.37			2676330.78	0.00	133984.41	5.27%
	Less 0.53% Below as per Agreement (-)				13474.44			14184.55			

Executive Engineer
R.W.D. (W) Division
Mahan

M/s Nikumbh Bhardwaj Construction
Bhaskar Bhardwaj
Partner

1st Year Maintenance cost	YEAR	1.00	47600.00	47600.00	1.00	47600.00	47600.00	0.00	0.00	0.00%
2nd Year Maintenance cost	YEAR	1.00	56800.00	56800.00	1.00	56800.00	56800.00	0.00	0.00	0.00%
3rd Year Maintenance cost	YEAR	1.00	67700.00	67700.00	1.00	67700.00	67700.00	0.00	0.00	0.00%
4th Year Maintenance cost	YEAR	1.00	77500.00	77500.00	1.00	77500.00	77500.00	0.00	0.00	0.00%
5th Year Maintenance cost	YEAR	1.00	80500.00	80500.00	1.00	80500.00	80500.00	0.00	0.00	0.00%
Total Maintenance Amount Excluding All Taxes						330100.00	330100.00	0.00	0.00	0.00%
GST @ 12%/18% on Total Maintenance Cost						39612.00	59418.00	0.00	19806.00	50.00%
Labour Cess @ 1 % on Total Maintenance Cost						3301.00	3301.00	0.00	0.00	0.00%
Add Seigniorage Fee						738.55	738.55	0.00	0.00	0.00%
Total Maintenance Amount Including All Taxes						373751.55	393557.55	0.00	19806.00	5.30%
Less 0.53% Below as per Agreement (-)						1980.88	2085.86			
Total Maintenance						371770.67	391471.69			
COST OF PROJECT IN RS. (A+B) =						2900642.60	3053617.92	0.00	153790.41	5.30%

Executive Engineer
R.W.D. (W) Division
Mehar

21.02.23
AL

23/2/23
CC

Superintending Engineer
Rural Works Department
Works Circle, Mehar

M/s Nikumbh Bhardwaj Construction

Partner